

EHCSS bibliography section of www.ehcss-science.com

I. Non-clinical studies

1. Euchenhofer, C.; Diekmann, J.; Gerstenberg, B.; Stabbert, R.; Rustemeier, K.; Haussmann, H.-J., "A Risk assessment-based toxicological weighting of cigarette smoke constituents". Poster presented at the 42nd Annual Meeting of the Society of Toxicology, Salt Lake City, UT, March 9-13, 2003. * Poster
2. Gerstenberg, B.; Stinn, W.; Reininghaus, W., "Comparison of environmental tobacco smoke from an electrically heated and a conventional cigarette". *Program Booklet and Abstracts 54th Tobacco Science Research Conference* 19; 2000. Poster presented at the 54th Tobacco Science Research Conference, Nashville, TN, September 24-27, 2000. *The Toxicologist* 60 (1-S): 431; 2001. Poster presented at the 40th Annual Meeting of the Society of Toxicology, San Francisco, CA, March 25-29, 2001. * Poster
3. Lau, R.W.; Hirnikel, D.J.; Roethig, H.J., "Environmental tobacco smoke from smoking conventional and electrically heated cigarettes". Poster presented at the 2002 Annual Meeting of ISEA/ISEE, Vancouver, BC Canada, August 11-15, 2002. * Poster
4. Paine, J. B., Naworal, J., and Thomas, C. E., "Isotopic labelling to elucidate carbohydrate pyrolysis mechanisms". Verbal presentation at the CORESTA Joint Meeting of the Smoke and Technology Groups, Xian, China, September 2-9, 2001. [Available through the CORESTA website, <http://www.coresta.org/>] * Abstract (Accessed 7/2/03)
5. Patskan, G.; Reininghaus, W., "Toxicological evaluation of an electrically heated cigarette. Part 1: overview of technical concepts and summary of findings". *Journal of Applied Toxicology* 23(5): 323-328; 2003. * Abstract (Accessed 10/7/03)
6. Roemer, E.; Meisgen, T.J.; Tewes, F.J.; Solana, R.P., "Discrimination of cigarette mainstream smoke condensates with the *Salmonella* reverse mutation assay". *The Toxicologist* 42 (1-S): 295; 1998. Poster presented at the 37th Annual Meeting of the Society of Toxicology, Seattle, WA, March 1-5, 1998. * Poster
7. Roemer, E.; Vanscheeuwijck, P.; Elves, R.G.; Fournier, J.A., "Ammonium magnesium phosphate in the paper wrapper of an electrically heated cigarette reduces the biological activity of the resulting smoke". *Toxicological Sciences* 66 (1-S): 26; 2002. Poster presented at the 41st Annual Meeting of the Society of Toxicology, Nashville, TN, March 17-21, 2002. (second generation) * Poster
8. Rustemeier, K.; Patskan, G.; Haussmann, H.-J., "The influence of a modified puffing regimen on the yields of smoke constituents from electrically heated and conventional research cigarettes". *The Toxicologist* 54 (1): 16; 2000. Poster presented at the 39th Annual Meeting of the Society of Toxicology, Philadelphia, PA, March 19-23, 2000. * Poster
9. Stabbert, R.; Schaefer, K.-H.; Biefel, C.; Rustemeier, K., "Analysis of aromatic amines in cigarette smoke". *Program Booklet and Abstracts 55th Tobacco Science Research Conference*. 69; 2001. Verbal presentation at the 55th Tobacco Science Research Conference, Greensboro, NC, September 9-12, 2001. *
10. Stabbert, R.; Voncken, P.; Rustemeier, K.; Haussmann, H.-J.; Roemer, E.; Schaffemicht, H.; Patskan, G., "Toxicological evaluation of an electrically heated cigarette. Part 2: chemical composition of mainstream smoke". *Journal of Applied Toxicology* 23(5): 329-339; 2003. * Abstract (Accessed 10/7/03)
11. Terpstra, P.M.; Reininghaus, W., "Chemical and biological evaluation of smoke from an electrically heated cigarette". *Program and Abstracts of the 2nd Congress of Asian Society of Toxicology* 151; 2000. Poster presented at the 2nd Congress of Asian Society of Toxicology, Cheju Island, Korea, August 23-25, 2000. * Poster

12. Terpstra, P.M.; Reininghaus, W.; Solana, R.P., "Evaluation of an electrically heated cigarette". *The Toxicologist* 42 (1-S): 295; 1998. Poster presented at the 37th Annual Meeting of the Society of Toxicology, Seattle, WA, March 1-5, 1998. * Poster
13. Terpstra, P.M.; Teredesai, A.; Vanscheeuwijck, P.M.; Verbeeck, J.; Schepers, G.; Radtke, F.; Kuhl, P.; Gomm, W.; Anskait, E.; Patskan, G., "Toxicological evaluation of an electrically heated cigarette. Part 4: subchronic inhalation toxicology". *Journal of Applied Toxicology* 23(5): 349-362; 2003. * Abstract (Accessed 10/7/03)
14. Tewes, F.J.; Meisgen, T.J.; Veltel, D.J.; Roemer, E.; Patskan, G., "Toxicological evaluation of an electrically heated cigarette. Part 3: genotoxicity and cytotoxicity of mainstream smoke". *Journal of Applied Toxicology* 23(5): 341-348; 2003. * Abstract (Accessed 10/7/03)
15. Tewes, F.J.; Veltel, D.J.; Heil, M.; Solana, R.P., "Discrimination of cigarette mainstream smoke with the neutral red uptake cytotoxicity assay". *The Toxicologist* 42 (1-S): 295; 1998. Poster presented at the 37th Annual Meeting of the Society of Toxicology, Seattle, WA, March 1-5, 1998. * Poster
16. Vanscheeuwijck, P.M.; Anskait, E.A.; Teredesai, A.; Solana, R.P., "Equi-effect design for subchronic inhalation toxicity studies comparing conventional and novel cigarette prototypes". *The Toxicologist* 42 (1-S): 295; 1998. Poster presented at the 37th Annual Meeting of the Society of Toxicology, Seattle, WA, March 1-5, 1998. * Poster
17. Voncken, P.; Gerstenberg, B.; Rustemeier, K.; Stabbert, R.; Patskan, G.; Haussmann, H.-J., "Chemical analysis of selected cigarette mainstream smoke constituents for comparative product integrity testing". *Program Booklet and Abstracts 52nd Tobacco Science Research Conference* 52: 36; 1998. Verbal presentation at the 52nd Tobacco Science Research Conference, Atlanta, GA, September 13-16, 1998. *

II. Clinical studies

1. Breland, A.; Buchhalter, A.; Evans, S.; Eissenberg, T., "Laboratory evaluation of the withdrawal suppression, physiological effects, carbon monoxide boost, and nicotine delivery of two novel smoking systems". *Proceedings, 63rd Annual Scientific Meeting College on Problems of Drug Dependence* S19 (paper 64), 2001. Verbal presentation at the 63rd Annual Meeting of the College on Problems of Drug Dependence, Scottsdale, AZ, June 16-21, 2001.
2. Breland, A.; Buchhalter, A.; Evans, S.; Eissenberg, T., "Comparison of the withdrawal suppression, physiological effects, and nicotine delivery of two novel smoking systems". Poster presented at the 7th Annual Meeting of the Society for Research on Nicotine and Tobacco, Seattle, WA, March 23-25, 2001.
3. Breland, A.B.; Buchhalter, A.R.; Evans, S.E.; Eissenberg, T., "Evaluating acute effects of potential reduced-exposure products for smokers: clinical laboratory methodology". *Nicotine & Tobacco Research* 4 (Suppl. 2) S131-S140; 2002.
4. Buchhalter, A.R.; Eissenberg, T., "Preliminary evaluation of a novel smoking system: effects on subjective and physiological measures and on smoking behavior". *Nicotine & Tobacco Research* 2 (1): 39-43; 2000. Abstract (Accessed 2/5/03).
5. Buchhalter, A.R.; Eissenberg, T., "Reduced CO boost produced in humans smoking a novel smoking system". Poster presented at the Society for Research on Nicotine and Tobacco Annual Meeting, San Diego, CA, March 5-7, 1999.
6. Buchhalter, A.R.; Schrinel, L.; Eissenberg, T., "Withdrawal-suppressing effects of a novel smoking system: comparison with own brand, not own brand, and de-nicotinized cigarettes". *Nicotine & Tobacco Research* 3 (2): 111-118; 2001. Abstract (Accessed 2/5/03).

7. Keely, J.P.; Hughes, J.R.; Hirsch, J.S., "Effects of a cigarette substitute on ongoing smoking". Poster presented at the 7th Annual Meeting of the Society for Research on Nicotine and Tobacco, Seattle, WA, March 23-25, 2001.
8. Oey, J.; Kinser, R.D.; Feng, S.; Nelson, B.L.; Liang, Q.; Roethig, H.J., "Clinical exposure evaluation of a new electrically heated cigarette smoking system". *Journal of Clinical Pharmacology* 43(9): 1029; 2003. Poster presented at the American College of Clinical Pharmacology Annual Meeting, Tampa, FL, September 21-23, 2003. * [Poster](#)
9. Roethig, H.J.; Gogova, M.; Mould, D.; Sarker, M., "A population pharmacokinetic model for nicotine as a biomarker of smoke exposure". *Journal of Clinical Pharmacology* 43(9): 1031; 2003. Poster presented at the American College of Clinical Pharmacology Annual Meeting, Tampa, FL, September 21-23, 2003. * [Poster](#)
10. Roethig, H.J.; Kinser, R.; Nelson, B.L.; Lau, R.W., "Investigation of biomarker of exposure of adult smokers smoking electrically heated and conventional cigarettes". *Society for Research on Nicotine and Tobacco 8th Annual Meeting. 2002 Rapid Communications Posters* 14; 2002. Poster presented at the Society for Research on Nicotine and Tobacco Annual Meeting, Savannah, GA, February 20-23, 2002. * [Poster](#)
11. Roethig, H.J.; Kinser, R.D.; Nelson, B.L.; Oey, J.; Wang, N., "Short term clinical exposure evaluation of conventional and electrically heated cigarettes". *Journal of Clinical Pharmacology* 42(9): 1065; 2002. Poster presentation at the American College of Clinical Pharmacology Annual Meeting, San Francisco, CA, September 21-23, 2002. * [Poster](#)
12. Roethig, H.J.; Oey, J.; Nelson, B.L.; Walk, R.-A., "Dose-response investigations of carboxyhemoglobin of adult smokers smoking conventional and electrically heated cigarettes". *Toxicological Sciences* 66 (1-S): 26-27; 2002. Poster presented at the 41st Annual Meeting of the Society of Toxicology, Nashville, TN, March 17-21, 2002. * [Poster](#)
13. Roethig, H.J.; Oey, J.; Nelson, B.L.; Walk, R.-A., "Investigations of carboxyhemoglobin of adult smokers of conventional cigarettes and an electrically heated cigarette". Poster presented at the 29th Annual Meeting of the Japanese Society of Toxicology, Nagoya Congress Center, Japan, June 18-20, 2002. * [Poster](#)

III. Iron aluminide publications or presentations

1. Deevi, S.C., "Powder processing of FeAl sheets by roll compaction". *Intermetallics* 8(5-6): 679-685; 2000. *
2. Deevi, S.C.; Swindeman, R.W., "Yielding, hardening, and creep behavior of iron aluminides". *Materials Science and Engineering A: Iron Aluminides: Alloy Design, Processing, Properties and Applications* 258(1-2 Special Issue): 203-210; 1998. Verbal presentation at the Annual Meeting of the Minerals, Metals & Materials Society, San Antonio, TX, February 15 - 19, 1998. [Abstract available through The Minerals, Metals & Materials Society (TMS) web site, <http://www.tms.org/>.] * [Abstract](#) (Accessed 10/9/03)
3. Deevi, S.C.; Zhang, W.J.; Liu, C.T.; Reddy, B.V., "The development of a ductile and creep resistant TiAl-base alloys". *Materials Research Society Fall Meeting, Boston, MA, November 27 - 29, 2000*. Abstracts from the 2000 Fall Meeting, November 27 - December 1, 2000. [Abstract available through the Materials Research Society web site, <http://www.mrs.org/>, page 2, abstract N1-2. Copyright ©MRS. All rights reserved.] * [Abstract](#) (Accessed 11/13/03)
4. Deevi, S. C.; Hajaligol, M. R.; Sikka, V. K., "Thermomechanical processing of plasma sprayed FeAl-based intermetallic sheets". Verbal presentation at the ASM Materials Solutions Conference and Exposition 2000, St.Louis, MO, October 9-10, 2000. *
5. Hajaligol, M.R.; Deevi, S.C.; Sikka, V.K.; Scorey, C.R., "A thermomechanical process to make iron aluminide (FeAl) sheet". *Materials Science and Engineering A: Iron Aluminides: Alloy Design*,

- Processing, Properties and Applications* 258(1-2 Special Issue): 249-257; 1998. Verbal presentation at the Power Metallurgy World Congress & Exhibitions, Granda, Spain, October 18 - 22, 1998 (#634) and at the Annual Meeting of the Minerals, Metals & Materials Society, San Antonio, TX, February 15 - 19, 1998. [Abstract available through The Minerals, Metals & Materials Society (TMS) web site, <http://www.tms.org/>.] * [Abstract](#) (Accessed 10/9/03)
6. Jaske, C.E.; Deevi, S.C.; Shademan, S.S., "Fatigue and cyclic deformation behavior of iron aluminide". *Materials Science and Engineering A: Iron Aluminides: Alloy Design, Processing, Properties and Applications* 258(1-2 Special Issue): 211-218; 1998. Verbal presentation at the Annual Meeting of the Minerals, Metals & Materials Society, San Antonio, TX, February 15 - 19, 1998. [Abstract available through The Minerals, Metals & Materials Society (TMS) web site, <http://www.tms.org/>.] * [Abstract](#) (Accessed 10/9/03)
 7. Jena, P.; Reddy, B. V.; Deevi, S. C.; Lilly, A. C., "Electronic structure and transport properties of Fe-Al alloys". Verbal presentation at the Intermetallics for the Third Millennium, Materials Park, OH, November 1, 1999. *
 8. Lilly, A.C.; Deevi, S.C.; Gibbs, Z.P., "Electrical properties of iron aluminides". *Materials Science and Engineering A: Iron Aluminides: Alloy Design, Processing, Properties and Applications* 258(1-2 Special Issue): 42-49; 1998. Verbal presentation at the Annual Meeting of the Minerals, Metals & Materials Society, San Antonio, TX, February 15 - 19, 1998. [Abstract available through The Minerals, Metals & Materials Society (TMS) web site, <http://www.tms.org/>.] * [Abstract](#) (Accessed 10/9/03)
 9. Lilly, A.C.; Deevi, S.C.; Sikka, V.K.; Hajaligol, M.R.; Fleischhauer, G.S.; Scorey, C.R., "Development and production of FeAl-based intermetallic alloys". *Transactions of Nonferrous Metals Society of China* 9(Suppl. 1): 309-317; 1999. Verbal presentation at the 3rd International Workshop on Ordered Intermetallic Alloys and Composites, Hangzhou, China, April 4-10, 1998. *
 10. Mistler, R.E.; Sikka, V.K.; Scorey, C.; McKernan, J.E.; Hajaligol, M., "Tape casting as a fabrication process for iron aluminide (FeAl) thin sheets". *Materials Science and Engineering A* 258(1-2 Special Issue): 258-265; 1998. Verbal presentation at the Annual Meeting of the Minerals, Metals & Materials Society, San Antonio, TX, February 15 - 19, 1998. [Abstract available through The Minerals, Metals & Materials Society (TMS) web site, <http://www.tms.org/>.] * [Abstract](#) (Accessed 10/9/03)
 11. Rasouli, F.; Scorey, C.R.; McKernan, J.E.; Hajaligol, M.; Subblah, M.; Sikka, V.K., "Tape casting of iron aluminide powders". In: *Advances in Powder Metallurgy and Particulate Materials*, Princeton, NJ: Metal Powder Industries Federation; 131-140; 2000. Verbal presentation at the 2000 International Conference on Powder Metallurgy and Particulate Materials, New York, NY, May 30 - June 3, 2000. *
 12. Reddy, B.V.; Deevi, S.C.; Lilly, A.C.; Jena, P., "Electronic structure of sub-stoichiometric iron aluminide clusters". *Journal of Physics: Condensed Matter* 13(36): 8363-8373; 2001. Presented at American Physical Society Meeting, Minneapolis, MN, March 21 - 24, 2000. * [Abstract](#) (Accessed 5/20/03)
 13. Strauss, J.T.; Scorey, C.R.; McKernan, J.E.; Hajaligol, M.R., "Polymer atomization of iron aluminide". *Materials Science and Engineering A: Iron Aluminides: Alloy Design, Processing, Properties and Applications* 258(1-2 Special Issue): 291-297; 1998. Verbal presentation at the Annual meeting of the Minerals, Metals & Materials Society, San Antonio, TX, February 15 - 19, 1998. [Abstract available through The Minerals, Metals & Materials Society (TMS) web site, <http://www.tms.org/>.] * [Abstract](#) (Accessed 10/9/03)
 14. Watkins, M.L.; Hinders, M.K., "The characterization of iron aluminide green sheet thermal properties". *Materials Science and Engineering A: Iron Aluminides: Alloy Design, Processing, Properties and Applications* 258(1-2 Special Issue): 266-269; 1998. Verbal presentation at the Annual meeting of the Minerals, Metals & Materials Society, San Antonio, TX, February 15 - 19, 1998. [Abstract available through The Minerals, Metals & Materials Society (TMS) web site, <http://www.tms.org/>.] * [Abstract](#) (Accessed 9/9/03)

15. Watkins, M. L.; Hinders, M. K.; Scorey, C.; Winfree, W., "The quantitative inspection of iron aluminide green sheet using transient thermography". In: *CP497, Nondestructive Characterization of Materials IX*, Green, R.E., Jr., ed., New York: American Institute of Physics; 361-366; 1999. Verbal presentation at the Ninth Annual Symposium on Nondestructive Characterization of Materials, Sydney, Australia; June 28, 1999. *

IV. US utility patents

(Patents may be viewed at the [United States Patent and Trademark Office](http://www.uspto.gov) website.)

1. US Patent No. 5,060,671. Counts, M.E.; Laroy, B.C.; Losee, D.B., Jr.; Morgan, C.H.; Smith, U.; Sprinkel, F.M., Jr.; Utsch, F.V. "Flavor generating article". Issue date: October 29, 1991.
2. US Patent No. 5,093,894. Deevi, S.C.; Sprinkel, F.M. "Electrically-powered linear heating element". Issue date: March 3, 1992.
3. US Patent No. 5,095,921. Losee, D.B.; Morgan, C.H.; Sprinkel, F.M.; Utsch, F.V. "Flavor generating article". Issue date: March 17, 1992.
4. US Patent No. 5,144,962. Counts, M.E.; Hajaligol, M.R.; Morgan, C.H.; Smith, U.; Sprinkel, F.M.; Utsch, F.V. "Flavor-delivery article". Issue date: September 8, 1992.
5. US Patent No. 5,179,966. Losee, D.B.; Morgan, C.H.; Sprinkel, F.M.; Utsch, F.V. "Flavor generating article". Issue date: January 19, 1993.
6. US Patent No. 5,224,498. Deevi, S.C.; Sprinkel, F.M. "Electrically-powered linear heating element". Issue date: July 6, 1993.
7. US Patent No. 5,228,460. Sprinkel, F.M.; Grollmund, E.C. "Low mass radial array heater for flavor generating article". Issue date: July 20, 1993.
8. US Patent No. 5,249,586. Morgan, C.H.; Nichols, W.A. "Electrical smoking". Issue date: October 5, 1993.
9. US Patent No. 5,261,424. Sprinkel, F.M. "Control device for flavor-generating article". Issue date: November 16, 1993.
10. US Patent No. 5,269,327. Counts, M.E.; Laroy, B.C.; Losee, D.B., Jr.; Morgan, C.H.; Smith, U.; Sprinkel, F.M.; Utsch, F.V. "Flavor generating article". Issue date: December 14, 1993.
11. US Patent No. 5,322,075. Deevi, S.C.; Hajaligol, M.R.; Herman, C.H.; Higgins, C.T.; Watkins, M.L.; Waymack, B.E.; Yi, S. "Heater for an electric flavor-generating article". Issue date: June 21, 1994.
12. US Patent No. 5,353,813. Deevi, S.C.; Fleischhauer, G.S.; Keen, B.J., Jr. "Reinforced carbon heater with discrete heating zones". Issue date: October 11, 1994.
13. US Patent No. 5,369,723. Counts, M.E.; Wrenn, S.E. "Tobacco flavor unit for electrical smoking article comprising fibrous mat". Issue date: November 29, 1994.
14. US Patent No. 5,372,148. McCafferty, H.J.; Higgins, C.T.; Lucas, W.L., Sr. "Method and apparatus for controlling the supply of energy to a heating load in a smoking article". Issue date: December 13, 1994.
15. US Patent No. 5,388,594. Counts, M.E.; Deevi, S.C.; Fleischhauer, G.S.; Hajaligol, M.R.; Hayes, P.H.; Higgins, C.T.; Houck, W.G., Jr.; Keen, B.J., Jr.; Laroy, B.C.; Lipowicz, P.J.; Miser, D.E.; Nichols, C.H.; Stevens, W.H.; Subbiah, M.; Watkins, M.L.; Wrenn, S.E. "Electrical smoking system for delivering flavors and method for making same". Issue date: February 14, 1995.

16. US Patent No. 5,408,574. Deevi, S.C.; Hajaligol, M.R. "Flat ceramic heater having discrete heating zones". Issue date: April 18, 1995.
17. US Patent No. 5,468,936. Deevi, S.C.; Hajaligol, M.R.; Lieberman, P.D.; Nichols, W.A.; Watkins, M.L. "Heater having a multiple-layer ceramic substrate and method of fabrication". Issue date: November 21, 1995.
18. US Patent No. 5,479,948. Counts, M.E.; Houck, W.G., Jr.; Houghton, K.S.; Lilly, A.C., Jr.; Lipowicz, P.J.; Myracle, J.L.; Sprinkel, F.M.; Washington, J.M.; Wrenn, S.E. "Electrical smoking article having continuous tobacco flavor web and flavor cassette therefor". Issue date: January 2, 1996.
19. US Patent No. 5,480,025. Draucker, J.B.; Hansen, C.D., Jr.; Newsome, R.W.; Pham, X.M. "Step-shaped innerframe for use with short cigarettes and hinged lid box". Issue date: January 2, 1996.
20. US Patent No. 5,498,850. Das, A. "Semiconductor electrical heater and method for making same". Issue date: March 12, 1996.
21. US Patent No. 5,498,855. Deevi, S.C.; Lilly, A.C., Jr. "Electrically powered ceramic composite heater". Issue date: March 12, 1996.
22. US Patent No. 5,499,636. Baggett, J.D., Jr.; Clark, D.A.; Cowling, P.C.; Uhl, R.G.; Wrenn, S.E. "Cigarette for electrical smoking system; Automated manufacture of cigarettes". Issue date: March 19, 1996.
23. US Patent No. 5,505,214. Collins, A.L.; Counts, M.E.; Fleischhauer, G.S.; Houck, W.G., Jr.; Keen, B.J., Jr.; Losee, D.B., Jr.; Nichols, C.H.; Raymond, W.R.; Sprinkel, F.M.; Watkins, M.L.; Wrenn, S.E.; Utsch, F.V. "Electrical smoking article and method for making same". Issue date: April 9, 1996.
24. US Patent No. 5,530,225. Hajaligol, M.R. "Interdigitated cylindrical heater for use in an electrical smoking article". Issue date: June 25, 1996.
25. US Patent No. 5,570,779. Draucker, J.B.; Hansen, C.D.; Newsome, R.W.; Pham, X.M. "Step-shaped innerframe for use with short cigarettes and hinged lid box". Issue date: November 5, 1996.
26. US Patent No. 5,573,692. Das, A.; Lipowicz, P.J.; Sweeney, W.R. "Platinum heater for electrical smoking article having ohmic contact". Issue date: November 12, 1996.
27. US Patent No. 5,591,368. Fleischhauer, G.S.; Hayes, P.H.; Morgan, C.H.; Hajaligol, M.R.; Watkins, M.L.; Nichols, W.A.; Sharpe, D.E.; Counts, M.E. "Heater for use in an electrical smoking system". Issue date: January 7, 1997.
28. US Patent No. 5,595,706. Sikka, V.K.; Deevi, S.C.; Fleischhauer, G.S.; Hajaligol, M.R.; Lilly, A.C., Jr. "Aluminum containing iron-base alloys useful as electrical resistance heating elements". Issue date: January 21, 1997.
29. US Patent No. 5,613,504. Collins, A.L.; Counts, M.E.; Das, A.; Deevi, S.C.; Fleischhauer, G.S.; Higgins, C.T.; Houck, W.G., Jr.; Keen, B.J., Jr.; Lee, R.E.; Lilly, A.C., Jr.; Losee, D.B., Jr.; McCafferty, H.J.; Nichols, C.H.; Raymond, W.R.; Ripley, R.L.; Ritt, R.R.; Scott, G.R.; Sprinkel, F.M.; Watkins, M.L.; Wrenn, S.E.; Utsch, F.V. "Flavor generating article and method for making same". Issue date: March 25, 1997.
30. US Patent No. 5,613,505. Campbell, J.M.; Fleischhauer, G.S.; Higgins, C.T.; Ripley, R.L.; Sharpe, D.E.; Watkins, M.L.; Wrenn, S.E. "Inductive heating systems for smoking articles". Issue date: March 25, 1997.
31. US Patent No. 5,620,651. Sikka, V.K.; Deevi, S.C.; Fleischhauer, G.S.; Hajaligol, M.R.; Lilly, A.C. "Iron aluminide useful as electrical resistance heating elements". Issue date: April 15, 1997.

32. US Patent No. 5,649,554. Sprinkel, F.M.; Das, A.; Fleischhauer, G.S.; Grollmund, E.C.; Houck, W.G., Jr.; Lipowicz, P.J.; Smith, U.; Washington, J.M.; Wrenn, S.E. "Electrical lighter with a rotatable tobacco supply". Issue date: July 22, 1997.
33. US Patent No. 5,659,656. Das, A. "Semiconductor electrical heater and method for making same". Issue date: August 19, 1997.
34. US Patent No. 5,665,262. Hajaligol, M.R.; Fleischhauer, G.S.; Deevi, S.C.; Higgins, C.T.; Hayes, P.H.; Herman, H.; Gansert, R.V.; Collins, A.L.; Keen, B.J., Jr.; Laroy, B.C.; Lilly, A.C., Jr. "Tubular heater for use in an electrical smoking article". Issue date: September 9, 1997.
35. US Patent No. 5,666,976. Adams, J.M.; Braunshteyn, M.S.; Counts, M.E.; Dale, G.M.; Harris, C.W.; Jones, D.H.; Keen, B.J., Jr.; Sanderson, W.G.; Smith, B.S.; Stevenson, B.W.; Wrenn, S.E. "Cigarette and method of manufacturing cigarette for electrical smoking system". Issue date: September 16, 1997.
36. US Patent No. 5,666,977. Higgins, C.T.; Raymond, W.R.; Sprinkel, F.M. "Electrical smoking article using liquid tobacco flavor medium delivery system". Issue date: September 16, 1997.
37. US Patent No. 5,666,978. Counts, M.E.; Deevi, S.C.; Fleischhauer, G.S.; Hajaligol, M.R.; Hayes, P.H.; Higgins, C.T.; Houck, W.G., Jr.; Keen, B.J., Jr.; Laroy, B.C.; Lipowicz, P.J.; Miser, D.E.; Nichols, C.H.; Stevens, W.H.; Subbiah, M.; Watkins, M.L.; Wrenn, S.E. "Electrical smoking system for delivering flavors and method for making same". Issue date: September 16, 1997.
38. US Patent No. 5,692,291. Deevi, S.C.; Hayes, P.H.; Laroy, B.C.; Miser, D.E.; Stevens, W.H. "Method of manufacturing an electrical heater". Issue date: December 2, 1997.
39. US Patent No. 5,692,525. Counts, M.E.; Houck, W.G., Jr.; Moore, M.A.; Sanderson, W.G.; Watkins, M.L.; Wrenn, S.E. "Cigarette for electrical smoking system". Issue date: December 2, 1997.
40. US Patent No. 5,692,526. Adams, J.M.; Counts, M.E.; Fleischhauer, G.S.; Houghton, K.S.; Houck, W.G., Jr.; Keen, B.J., Jr.; Sanderson, W.G.; Wrenn, S.E. "Cigarette for electrical smoking system". Issue date: December 2, 1997.
41. US Patent No. 5,708,258. Counts, M.E.; Fleischhauer, G.S.; Hajaligol, M.R.; Hayes, P.H.; Higgins, C.T.; Houck, W.G., Jr.; Laroy, B.C.; Lipowicz, P.J.; Nichols, C.H.; Subbiah, M.; Watkins, M.L. "Electrical smoking system". Issue date: January 13, 1998.
42. US Patent No. 5,726,421. Fleischhauer, G.S.; Hayes, P.H.; Higgins, C.T.; Jones, R.E.; Ripley, R.L.; Beane, T.P.; Nelson, J.R., Jr. "Protective and cigarette ejection system for an electrical smoking system". Issue date: March 10, 1998.
43. US Patent No. 5,730,158. Collins, A.L.; Counts, M.E.; Das, A.; Deevi, S.C.; Lilly, A.C., Jr.; Losee, D.B., Jr.; Watkins, M.L.; Utsch, F.V. "Heater element of an electrical smoking article and method for making same". Issue date: March 24, 1998.
44. US Patent No. 5,743,251. Howell, T.M.; Sweeney, W.R. "Aerosol and a method and apparatus for generating an aerosol". Issue date: April 28, 1998.
45. US Patent No. 5,750,964. Counts, M.E.; Deevi, S.C.; Fleischhauer, G.S.; Hajaligol, M.R.; Hayes, P.H.; Higgins, C.T.; Houck, W.G., Jr.; Keen, B.J., Jr.; Laroy, B.C.; Lipowicz, P.J.; Miser, D.E.; Nichols, C.H.; Stevens, W.H.; Subbiah, M.; Watkins, M.L.; Wrenn, S.E. "Electrical heater of an electrical smoking system". Issue date: May 12, 1998.
46. US Patent No. 5,816,263. Counts, M.E.; Houck, W.G., Jr.; Moore, M.A.; Sanderson, W.G.; Watkins, M.L.; Wrenn, S.E. "Cigarette for electrical smoking system". Issue date: October 6, 1998.
47. US Patent No. 5,865,185. Collins, A.L.; Counts, M.E.; Das, A.; Deevi, S.C.; Fleischhauer, G.S.; Higgins, C.T.; Houck, W.G., Jr.; Keen, B.J., Jr.; Lee, R.E., III; Lilly, A.C., Jr.; Losee, D.B., Jr.;

- McCafferty, H.J.; Nichols, C.H.; Raymond, W.R.; Ripley, R.L.; Ritt, R.R., Sr.; Scott, G.R.; Sprinkel, F.M.; Watkins, M.L.; Wrenn, S.E.; Utsch, F.V. "Flavor generating article". Issue date: February 2, 1999.
48. US Patent No. 5,878,752. Adams, J.M.; Crowe, W.J.; Fleischhauer, G.S.; Fournier, J.A.; Hajaligol, M.R.; Houck, W.G., Jr.; Losee, D.B.; Morgan, C.H.; Naworal, J.D.; Nunnally, H.N.; Paine, J.B., III; Raymond, W.R.; Ripley, R.L.; Seeman, J.I.; Sprinkel, F.M.; Watkins, M.L. "Method and apparatus for using, cleaning, and maintaining electrical heat sources and lighters useful in smoking systems and other apparatuses". Issue date: March 9, 1999.
49. US Patent No. 5,880,439. Deevi, S.C.; Lilly, A.C., Jr. "Functionally stepped, resistive ceramic". Issue date: March 9, 1999.
50. US Patent No. 5,902,501. Nunnally, H.N.; Sharpe, D.E.; Watkins, M.L.; Ely, D.J.; Butler, N.R.; Cobler, P.J. "Lighter actuation system". Issue date: May 11, 1999.
51. US Patent No. 5,915,387. Baggett, J.D., Jr.; Clark, D.A.; Counts, M.E.; Cowling, P.C.; Houck, W.G., Jr.; Moore, M.A.; Sanderson, W.G.; Uhl, R.G.; Watkins, M.L.; Wrenn, S.E. "Cigarette for electrical smoking system". Issue date: June 29, 1999.
52. US Patent No. 5,934,289. Watkins, M.L.; Hajaligol, M.R. "Electronic smoking system". Issue date: August 10, 1999.
53. US Patent No. 5,954,979. Counts, M.E.; Crowe, W.J.; Felter, J.L.; Fleischhauer, G.S.; Hajaligol, M.R.; Hayes, P.H.; Houck, W.G.; Nunnally, H.N. "Heater fixture of an electrical smoking system". Issue date: September 21, 1999.
54. US Patent No. 5,967,148. Harris, C.W.; Nunnally, H.N.; Ripley, R.L.; Sano, M.; Smith, B.A. "Lighter actuation system". Issue date: October 19, 1999.
55. US Patent No. 5,976,458. Sikka, V.K.; Deevi, S.C.; Fleischhauer, G.S.; Hajaligol, M.R.; Lilly, A.C., Jr. "Iron aluminide useful as electrical resistance heating elements". Issue date: November 2, 1999.
56. US Patent No. 5,988,176. Baggett, J.D., Jr.; Clark, D.A.; Cowling, P.C.; Uhl, R.G.; Wrenn, S.E. "Cigarette for electrical smoking system". Issue date: November 23, 1999.
57. US Patent No. 6,013,915. Watkins, M.L. "Process control by transient thermography". Issue date: January 11, 2000.
58. US Patent No. 6,026,820. Baggett, J.D., Jr.; Cowling, P.C.; Uhl, R.G.; Wrenn, S.E. "Cigarette for electrical smoking system". Issue date: February 22, 2000.
59. US Patent No. 6,040,560. Fleischhauer, G.S.; Higgins, C.T.; Losee, D.B.; Nelson, J.R., Jr.; Ripley, R.L.; Sano, M.; Sharpe, D.E.; Watkins, M.L. "Power controller and method of operating an electrical smoking system". Issue date: March 21, 2000.
60. US Patent No. 6,053,176. Adams, J.M.; Braunschtein, M.S.; Hajaligol, M.R.; Sanderson, W.G. "Heater and method for efficiently generating an aerosol from an indexing substrate". Issue date: April 25, 2000.
61. US Patent No. 6,116,247. Banyasz, J.L.; Burton, A.T.; Campbell, J.M.; Chan, W.G.; Counts, M.E.; Crowe, W.J.; Fournier, J.A.; Hayes, P.H.; Houck, W.G., Jr.; Lee, R.E., III; Losee, D.B.; Paine, J.B., III; Ripley, R.L.; Thomas, C.E., Jr. "Cleaning unit for the heater fixture of a smoking device.". Issue date: September 12, 2000.
62. US Patent No. 6,119,700. Fleischhauer, G.; Stevenson, B. "Brush cleaning unit for the heater fixture of a smoking device". Issue date: September 19, 2000.

63. US Patent No. 6,125,866. Nichols, W.A.; Sprinkel, F.M. "Pump cleaning unit for the heater fixture of a smoking device". Issue date: October 3, 2000.
64. US Patent No. 6,289,898. Fournier, J.A.; Paine, J.B. "Smoking article wrapper with improved filter". Issue date: September 18, 2001.
65. US Patent No. 6,349,728. Pham, X.M. "Portable cigarette smoking apparatus". Issue date: February 26, 2002.
66. US Patent No. 6,418,938. Fleischhauer, G.; Stevenson, B.; Minagawa, S.; Counts, M.E. "Brush cleaning unit for the heater fixture of a smoking device". Issue date: July 16, 2002.
67. US Patent No. 6,446,426. Sweeney, W.R.; Lilly, A.C., Jr. "Miniature pulsed heat source". Issue date: September 10, 2002.

V. Reports from public health groups and background information

1. Britton, J.C.; Bates, C.; Channer, K.; Cuthbertson, L.; Godfrey, C.; Jarvis, M.; McNeill, A., *Nicotine addiction in Britain. A report of the Tobacco Advisory Group of the Royal College of Physicians*. Royal College of Physicians of London; 2000. Report (Accessed 2/5/03). [Available through the Royal College of Physicians website, <http://www.rcplondon.ac.uk/>.]
2. Environews Forum, Anonymous. Article entitled: "Help Stopping Smoking". *Environmental Health Perspectives* 107: A186-A187; 1999.
3. Herbert, R., "What's new in nicotine and tobacco research?" *Nicotine & Tobacco Research* 3/2: 97-99; 2001.
4. National Cancer Institute, "Risks associated with smoking cigarettes with low machine-measured yields of tar and nicotine". *Smoking and Tobacco Control Monograph No. 13*. Bethesda, MD: U.S. Department of Health and Human Services, National Institutes of Health, National Cancer Institute, NIH Pub. No. 02-5074; 2001. Publication (Accessed 2/5/03). [Available from the National Cancer Institute website, <http://cancercontrol.cancer.gov/>.]
5. Rickert, W.S. (Chair); Benowitz, N.L.; Debethizy, D.; Carchman, R.; Henningfield, J.E.; Hoffmann, D.; Jenkins, R.A.; Massey, S.; Pauly, J.; Shiffman, S.; Slade, J., "Canada's expert committee on cigarette toxicity reduction". *Conference proceedings*, Toronto, Ontario, Canada, September 20-22, 1998. Proceedings (Accessed 2/5/03). [Available through <http://www.hc-sc.gc.ca/>, a website of Health Canada.]
6. Schematic of the electrically heated cigarette smoking system - first generation. Adapted from Roethig, H.J.; Oey, J.; Nelson, B.L.; Walk, R.-A., "Dose-response investigations of carboxyhemoglobin of adult smokers smoking conventional and electrically heated cigarettes". *Toxicological Sciences* 66 (1-S): 26-27; 2002. Poster presented at the 41st Annual Meeting of the Society of Toxicology, Nashville, TN, March 17-21, 2002. * Schematic of EHCSS
7. Slade, J., "Innovative nicotine delivery devices from tobacco companies". In *Nicotine and public health*, Ferrence, Roberta; Slade, John; Room, Robin; Pope, Marilyn, eds. American Public Health Association; Washington, D.C. 2000.
8. Slade, J.; Henningfield, J.E., "Tobacco product regulation: Context and Issues". *The Food and Drug Law Journal* 53 (Supplement): 43-74; 1998. Report (Accessed 2/5/03). [Available through the Food and Drug Law Journal website, <http://www.fdli.org/>.]
9. Stratton, K.; Shetty, P.; Wallace, R.; Bondurant, S., eds. *Clearing the smoke: Assessing the science base for tobacco harm reduction*. National Institutes of Health, Institute of Medicine, Washington, D.C.: National Academies Press; 2001. Book (Accessed 2/5/03). [Available through the National Academies Press website, <http://www.nap.edu/>.]

10. World Health Organization, "Advancing knowledge on regulating tobacco products". 2000. *Final report, Oslo, Norway, February 9-11, 2000. Report* (Accessed 2/5/03). [Available through the World Health Organization website, <http://www.who.int/en/>.]